

# AVIATION AND COMMERCE

## General Aviation

Michigan Business Aviation Association

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## AGENDA

- General Aviation Defined
- Statistics
- Economic Impact
- Current Concerns
- Small Aircraft Transportation System
- Questions

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## GENERAL AVIATION

- Generally Speaking – all Non-Military or Commercial Airline
  - Corporate
  - Business
  - Charter
  - Agricultural
  - Training
  - Personal, Sport, Recreational

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## ECONOMIC IMPACT U. S. Economy

- Civil Aviation (All Non-Military)
  - \$900 Billion to GNP
  - Employs 11 Million People
- General Aviation
  - \$100 Billion to GNP

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## ECONOMIC IMPACT Michigan Economy

- \$9.4 Billion
- 101,000 Jobs

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## AIRPORTS

- U. S. Airports
  - 5,300 U. S. Airports
  - 558 Served by Air Carriers
- Michigan Airports
  - 243 Public Use Airports
  - 19 Served by Air Carriers

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## MICHIGAN AVIATION

- 7,000 Aircraft Registered in Michigan
- 18,714 Licensed Pilots in Michigan
- \$14 Million in State Funds Annually
  - Close to \$2 Billion Spent on Surface Transportation
- \$130 Million in Federal Funds Each Year for Airport Improvements in Michigan

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## AIRPORT SAFETY AND PROTECTION PLAN (ASAP)

- \$6 Million Annually From Parking Tax
  - Provides for \$72 Million 5 Year Bond Program
- \$220 Million Annually for Airports (Michigan + Local + Private + Federal Funds)
- Over \$1 Billion Over Five Years
- Creates 32,000 Jobs Over Five Years
- Funds Projects at 98 Michigan Airports

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## CURRENT CONCERNS

- Funding
  - ASAP is a Short Term Solution
    - 5 Years
  - Need to Establish Permanent Funding Source
  - Maximize Leverage
    - State & Local Funding Provides Approximately 10%
    - Federal Matching Funds at 90%

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## CURRENT CONCERNS

- Preserve Airports
  - Some Michigan Airports Threatened
    - 20 Airports in Michigan Closed in Last 20 Years
    - Averaging One Per Year
    - Almost Impossible to Re-establish
    - New Airport Development Very Difficult
  - Airports Needed for SATS

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## CURRENT CONCERNS

- Security
- Safety
- Full Access to Airports
- Tax Relief for Business Aircraft Transactions (Sales/Use Tax)
- Competitive Training Opportunities
  - Use Federal Guidelines

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## SATS

- Small Aircraft Transportation System
  - NASA Initiative
  - Long Range Program
    - 10-15 Years
    - Uses New/Emerging Technology
  - Requires Airport Infrastructure
    - Mostly Existing Airports
  - Economic Opportunity for Michigan

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## MI SATS

### Michigan - The Transportation Technology State



The Michigan Small Aircraft Transportation System (MI SATS) is a government-industry joint venture designed to develop, evaluate and transfer select commercial and automotive technology to General Aviation applications. MI SATS is a non-profit company with specific technical and market data objectives:

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## MI SATS

### Market

- To assist participating companies to be first-to-market with new products for General Aviation.
- To generate public interest for General Aviation air travel.

### Product

- To develop technology for safe, efficient and economical General Aviation air travel.
- To demonstrate that automotive technology can be successfully transferred to General Aviation.
- To demonstrate that non-pilots can safely operate a SATS aircraft in nearly all operating conditions with a confidence similar to operating an automobile.

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## MI SATS

### Infrastructure

- To demonstrate that SATS airport infrastructure is an affordable option for national transportation system investments.
- To develop and evaluate intermodal transportation business models.
- To assist a national transition to an improved air transportation system.

### Public Advocacy

- To build public advocacy for the adoption of SATS.

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## MI SATS



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## MI SATS

### Why Michigan SATS?

MI SATS is the only SATS Lab working on the commercial viability of the General Aviation business model through aircraft design, manufacturing, training and infrastructure.

MI SATS' goal, together with NASA and NCAM, is to shape the way we travel 10 years from now!!

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## QUESTIONS ?

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